

Name: _____

Date: _____

Weekend Word Problem: Adding Polynomials

The Situation: Peyton Manning wants to build a practice football field for his son. He wants the length of the football field to be ten feet longer than the square of the width.

1. Sketch Peyton's rectangular football field. Label the length and width with the proper polynomials.

2. What will the perimeter of Peyton's football field be? Write your answer as a simplified polynomial in standard form. Then, name the polynomial.

3. What will the area of Peyton's football field be? Write your answer as a simplified polynomial in standard form. Then, name the polynomial.

4. Explain in words how to find the difference between the area and perimeter of Peyton's football field.
